

L Number	Hits	Search Text	DB	Time stamp
1	18438	silica near3 colloid\$3	USPAT; US-PGPUB	2002/09/09 08:50
2	68870	(hydrogen adj peroxide) H?sub.20?sub.2 Albone (dihydrogen adj dioxide) Hioxy (hydrogen adj dioxide) Hydroperoxide Inhibine Oxydol Perhydrol Peroxan superoxol t-stuff	USPAT; US-PGPUB	2002/09/09 08:49
3	2025	(silica near3 colloid\$3) and ((hydrogen adj peroxide) H?sub.20?sub.2 Albone (dihydrogen adj dioxide) Hioxy (hydrogen adj dioxide) Hydroperoxide Inhibine Oxydol Perhydrol Peroxan superoxol t-stuff)	USPAT; US-PGPUB	2002/09/09 08:27
4	10928	teos	USPAT; US-PGPUB	2002/09/09 08:27
5	148	tetra\$lethylsilicate	USPAT; US-PGPUB	2002/09/09 08:28
6	755	silicate adj ester	USPAT; US-PGPUB	2002/09/09 08:28
7	11800	teos tetra\$lethylsilicate (silicate adj ester)	USPAT; US-PGPUB	2002/09/09 08:28
8	70	((silica near3 colloid\$3) and ((hydrogen adj peroxide) H?sub.20?sub.2 Albone (dihydrogen adj dioxide) Hioxy (hydrogen adj dioxide) Hydroperoxide Inhibine Oxydol Perhydrol Peroxan superoxol t-stuff)) and (teos tetra\$lethylsilicate (silicate adj ester))	USPAT; US-PGPUB	2002/09/09 08:28
9	131	(silica near3 colloid\$3) same ((hydrogen adj peroxide) H?sub.20?sub.2 Albone (dihydrogen adj dioxide) Hioxy (hydrogen adj dioxide) Hydroperoxide Inhibine Oxydol Perhydrol Peroxan superoxol t-stuff)	USPAT; US-PGPUB	2002/09/09 08:29
10	31753	low near3 metal	USPAT; US-PGPUB	2002/09/09 08:29
11	9	((silica near3 colloid\$3) same ((hydrogen adj peroxide) H?sub.20?sub.2 Albone (dihydrogen adj dioxide) Hioxy (hydrogen adj dioxide) Hydroperoxide Inhibine Oxydol Perhydrol Peroxan superoxol t-stuff)) and (low near3 metal)	USPAT; US-PGPUB	2002/09/09 08:34
12	108	(516/81).CCLS.	USPAT; US-PGPUB	2002/09/09 08:35
13	0	((hydrogen adj peroxide) H?sub.20?sub.2 Albone (dihydrogen adj dioxide) Hioxy (hydrogen adj dioxide) Hydroperoxide Inhibine Oxydol Perhydrol Peroxan superoxol t-stuff) and ((516/81).CCLS.)	USPAT; US-PGPUB	2002/09/09 08:35
14	11958	biocid\$5	USPAT; US-PGPUB	2002/09/09 08:49
15	238	((hydrogen adj peroxide) H?sub.20?sub.2 Albone (dihydrogen adj dioxide) Hioxy (hydrogen adj dioxide) Hydroperoxide Inhibine Oxydol Perhydrol Peroxan superoxol t-stuff) same biocid\$5	USPAT; US-PGPUB	2002/09/09 08:36

16	9	((silica near3 colloid\$3) and ((hydrogen adj peroxide) H?sub.20?sub.2 Albone (dihydrogen adj dioxide) Hioxy (hydrogen adj dioxide) Hydroperoxide Inhibine Oxydol Perhydrol Peroxan superoxol t-stuff) and ((hydrogen adj peroxide) H?sub.20?sub.2 Albone (dihydrogen adj dioxide) Hioxy (hydrogen adj dioxide) Hydroperoxide Inhibine Oxydol Perhydrol Peroxan superoxol t-stuff) same biocid\$5)	USPAT; US-PGPUB	2002/09/09 08:47
17	231774	silica	USPAT; US-PGPUB	2002/09/09 08:48
18	2342	(teos tetra\$lethylsilicate (silicate adj ester)) and silica	USPAT; US-PGPUB	2002/09/09 08:48
19	2	((hydrogen adj peroxide) H?sub.20?sub.2 Albone (dihydrogen adj dioxide) Hioxy (hydrogen adj dioxide) Hydroperoxide Inhibine Oxydol Perhydrol Peroxan superoxol t-stuff) same biocid\$5) and ((teos tetra\$lethylsilicate (silicate adj ester)) and silica)	USPAT; US-PGPUB	2002/09/09 08:48
20	19093	(hydrogen adj peroxide) H?sub.20?sub.2 Albone (dihydrogen adj dioxide) Hioxy (hydrogen adj dioxide) Hydroperoxide Inhibine Oxydol Perhydrol Peroxan superoxol t-stuff	USOCR	2002/09/09 08:51
21	1329	biocid\$5	USOCR	2002/09/09 08:51
22	33	((hydrogen adj peroxide) H?sub.20?sub.2 Albone (dihydrogen adj dioxide) Hioxy (hydrogen adj dioxide) Hydroperoxide Inhibine Oxydol Perhydrol Peroxan superoxol t-stuff) same biocid\$5	USOCR	2002/09/09 08:50
23	57243	silica	USOCR	2002/09/09 08:51
24	5	((hydrogen adj peroxide) H?sub.20?sub.2 Albone (dihydrogen adj dioxide) Hioxy (hydrogen adj dioxide) Hydroperoxide Inhibine Oxydol Perhydrol Peroxan superoxol t-stuff) same biocid\$5) and silica	USOCR	2002/09/09 08:57
25	32488	(hydrogen adj peroxide) H?sub.20?sub.2 Albone (dihydrogen adj dioxide) Hioxy (hydrogen adj dioxide) Hydroperoxide Inhibine Oxydol Perhydrol Peroxan superoxol t-stuff	EPO; JPO; DERWENT	2002/09/09 08:51
26	5330	biocid\$5	EPO; JPO; DERWENT	2002/09/09 08:51
27	130925	silica	EPO; JPO; DERWENT	2002/09/09 08:51
28	1	((hydrogen adj peroxide) H?sub.20?sub.2 Albone (dihydrogen adj dioxide) Hioxy (hydrogen adj dioxide) Hydroperoxide Inhibine Oxydol Perhydrol Peroxan superoxol t-stuff) and biocid\$5 and silica	EPO; JPO; DERWENT	2002/09/09 08:57
29	92682	polish\$4	EPO; JPO; DERWENT	2002/09/09 08:57
30	1	((hydrogen adj peroxide) H?sub.20?sub.2 Albone (dihydrogen adj dioxide) Hioxy (hydrogen adj dioxide) Hydroperoxide Inhibine Oxydol Perhydrol Peroxan superoxol t-stuff) and biocid\$5 and polish\$4	EPO; JPO; DERWENT	2002/09/09 08:57

31	47801	polish\$4	USOCR	2002/09/09 08:58
32	1	((hydrogen adj peroxide) H?sub.20?sub.2 Albone (dihydrogen adj dioxide) Hioxy (hydrogen adj dioxide) Hydroperoxide Inhibine Oxydol Perhydrol Peroxan superoxol t-stuff) same biocid\$5) and polish\$4	USOCR	2002/09/09 08:57
33	101297	polish\$4	USPAT; US-PGPUB	2002/09/09 08:58
34	21	((hydrogen adj peroxide) H?sub.20?sub.2 Albone (dihydrogen adj dioxide) Hioxy (hydrogen adj dioxide) Hydroperoxide Inhibine Oxydol Perhydrol Peroxan superoxol t-stuff) same biocid\$5) and polish\$4	USPAT; US-PGPUB	2002/09/09 08:58

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NEWS	17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	18	Aug 08	NTIS has been reloaded and enhanced
NEWS	19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS	21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS	22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	23	Sep 03	JAPIO has been reloaded and enhanced
NEWS EXPRESS	February 1 CURRENT WINDOWS VERSION IS V6.0d, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002		
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Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
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<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s silica
L1 5694 SILICA

=> s collodal silica/cn
L2 0 COLLODAL SILICA/CN

=> s colloidal silica/cn
L3 1 COLLOIDAL SILICA/CN

=> d

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS
RN 7631-86-9 REGISTRY
CN silica (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1165MP
CN 175GR
CN 300CF
CN 30R50
CN 30R7
CN 3K
CN 3KS
CN 400WQ
CN 5X
CN 937L
CN 940UP
CN 955W
CN 980H
CN A 175
CN A 200
CN A 300
CN A 380
CN Acematt HK 400
CN Acematt OK 607
CN Acematt TS 100
CN Acticel

[REDACTED]

CN Adelite 20N
CN Adelite 30
CN Adelite A
CN Adelite AD 321
CN Adelite AT
CN Adelite AT 20
CN Adelite AT 20A
CN Adelite AT 20N
CN Adelite AT 20Q
CN Adelite AT 20S
CN Adelite AT 30
CN Adelite AT 30A
CN Adelite AT 30B
CN Adelite AT 30S
CN Adelite AT 40
CN Adelite AT 50
CN Adelite BT 55
CN Adelite BT 59
CN Adelite CT 100
CN Adelite CT 300
CN Admafine C 5
CN Admafine SD 25R
CN Admafine SE 5100
CN Admafine SO-C 1
CN Admafine SO-C 5
CN Admafine SO-E 1
CN Admafine SO-E 2
CN Admafine SO-E 5
CN Admatechs SO-E 2
CN **Colloidal silica**
CN **Zeosil 1165MD**

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
DISPLAY

FS 3D CONCORD
DR 11139-72-3, 11139-73-4, 12125-13-2, 12737-36-9, 12753-63-8, 12765-74-1,
12774-28-6, 9049-77-8, 1340-09-6, 172306-09-1, 173299-41-7, 127689-16-1,
127831-27-0, 126879-14-9, 126879-30-9, 126879-49-0, 53468-64-7,
125623-17-8, 56645-27-3, 56731-06-7, 122985-48-2, 55599-33-2, 60572-11-4,
62655-73-6, 97343-62-9, 97709-14-3, 98226-40-5, 98253-25-9, 67167-16-2,
113384-41-1, 50813-13-3, 50926-93-7, 50935-83-6, 51542-57-5, 51542-58-6,
61673-46-9, 108727-71-5, 136881-80-6, 37220-24-9, 37241-25-1, 37334-65-9,
37340-45-7, 37380-93-1, 139074-73-0, 137263-03-7, 145686-91-5,
145808-77-1, 70536-23-1, 70563-35-8, 78207-17-7, 146585-72-0, 152787-33-2,
155552-25-3, 155575-05-6, 83589-56-4, 83652-92-0, 149779-02-2, 87501-59-5,
89493-21-0, 39336-66-8, 39372-58-2, 39409-25-1, 39443-40-8, 39456-81-0,
52350-43-3, 179046-03-8, 179733-77-8, 185461-90-9, 188357-77-9,
191289-29-9, 206770-31-2, 207868-97-1, 217643-58-8, 264907-28-0,
330152-64-2, 341028-71-5, 368432-40-0

MF 02 Si

CI COM

LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS,
BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB,
CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHM, CSNB,
DDFU, DETHERM*, DIOGENES, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2,
ENCOMPAT, ENCOMPAT2, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA,
MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PHARMASEARCH, PIRA,
PROMT, RTECS*, TOXCENTER, TULSA, ULIDAT, USAN, USPAT2, USPATFULL, VETU,
VTB

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(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

O=Si=O

242583 REFERENCES IN FILE CA (1967 TO DATE)
4822 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
242939 REFERENCES IN FILE CAPLUS (1967 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> s hydrogen peroxide/cn
L4 1 HYDROGEN PEROXIDE/CN

=> file caplus

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=> s l3
L5 243045 L3

=> s l4
L6 63323 L4

=> s l5 and l6
L7 1459 L5 AND L6

=> s biocid###
L8 7740 BIOCID###

=> s 17 and 18

L9 5 L7 AND L8

=> d bib,ab 1-5

L9 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2002 ACS
AN 2002:112881 CAPLUS
DN 136:155055
TI Colloidal silica slurries showing excellent storage stability used as
polishing agents for semiconductor device fabrication
IN Matsumura, Shigetoyo; Okada, Yukio; Managi, Tatsuo; Toyama, Keiji; Sakai,
Masatoshi
PA Fuso Chemical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DT Patent
LA Japanese

Current
Appl.
Priority

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002045681	A2	20020212	JP 2000-236454	20000804
	US 2002037935	A1	20020328	US 2001-761043	20010115
	DE 10115327	A1	20020214	DE 2001-10115327	20010328
	FR 2812563	A1	20020208	FR 2001-9620	20010718
	CN 1337437	A	20020227	CN 2001-123727	20010730
PRAI	JP 2000-236454	A	20000804		

AB The colloidal silica slurries contain 5-100 ppm of H2O2. The slurries are free from corrosive antimicrobial agents which damage Si wafers and wiring on them.

L9 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2002 ACS
AN 2001:618111 CAPLUS
DN 135:169833
TI **Biocide** additives for bacterial and fungal protection of
abrasive slurries used in chemical mechanical polishing of wafer
substrates
IN Luo, Qiuliang; Goldberg, Wendy B.; Ye, Qianqiu
PA Rodel Holdings, Inc., USA
SO PCT Int. Appl., 11 pp.
CODEN: PIXXD2
DT Patent
LA English

see US 2002/0025762
A1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001060940	A1	20010823	WO 2001-US3381	20010202
	W: JP, KR				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
	US 2002025762	A1	20020228	US 2001-775865	20010202
PRAI	US 2000-182960P	P	20000216		
AB	Compds. contg. both a sulfur and a nitrogen in a five-membered ring structure (such as 2-methyl-4-isothiazolin-3-one and 5-chloro-2-methyl-4- isothiazolin-3-one) are used as biocides in chem. mech. polishing solns. and slurries. Polishing and abrasive performance of W, Ti, SiO2 and Cu wafers are unaffected or slightly improved by addn. of those biocides . Addn. of 0.01-1 wt.% of the biocides				

in polishing slurries is shown to prevent any bacterial and fungal activity up to 14 days.

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2002 ACS
AN 2001:136933 CAPLUS
DN 134:174244
TI **Biocidal** and absorbent/catalyst compositions containing a
biocidal metal compound, a support and a reducing agent
IN Kepner, Bryan E.; Mintz, Eric A.
PA Apyron Technologies, Inc., USA
SO PCT Int. Appl., 111 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001011955	A2	20010222	WO 2000-US21861	20000810
	WO 2001011955	A3	20010607		
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
	CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,				
	HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,				
	LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,				
	SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,				
	YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,				
	DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,				
	CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 6383273	B1	20020507	US 1999-373486	19990812
PRAI	US 1999-373486	A2	19990812		
AB	Biocidal or an absorbent and/or catalyst compns. contg. (i) a biocidal silver or copper compd., (ii) a support consisting of carbon, a polymer, or a cellulosic fiber, and (iii) a reducing agent are prepd. and used against microorganism and for elimination of contaminants from the environment.				

L9 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2002 ACS
AN 1998:430237 CAPLUS
DN 129:84972
TI Nonflammable fibrous products, and their use
IN Wihsmann, Marc; Ebner, Lothar
PA Protekum Umweltinstitut G.m.b.H. Oranienburg, Germany
SO Ger. Offen., 4 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19654836	A1	19980625	DE 1996-19654836	19961223
	EP 946809	A2	19991006	EP 1997-954717	19971222
	EP 946809	B1	20011017		
	R: AT, BE, CH, DE, DK, FR, GB, LI, LU, NL, SE				
	AT 207150	E	20011115	AT 1997-954717	19971222
	US 6086998	A	20000711	US 1999-331388	19990618
PRAI	DE 1996-19654836	A	19961223		

DE 1996-29622593 U 19961223
WO 1997-DE3031 W 19971222

AB The fibrous products contain cellulose fibers 20-70, CaCO₃ 15-45, cationic surfactant 0.01-1, biol. active, in water not readily sol. surfactant 0.05-1, or CaO₂ 0.25-6.5 wt.%, and balance fillers, and, optionally, .gtoreq.1 **biocides**. The fillers are selected from .gtoreq.1 of Al₂O₃, SiO₂, MgO, Ca silicates, aluminosilicates, BaSO₄, Na₂CO₃, KCl, K₂CO₃, CaF₂, and Fe oxides. The fibrous products are used as blown thermal insulation, for manufg. molded products, and as fire-resistant and thermally insulating panels.

L9 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2002 ACS

AN 1998:352913 CAPLUS

DN 129:45355

TI **Biocidal** corrosion inhibiting compositions

IN Green, Bruce Phillip

PA Health and Hygiene International Pty. Ltd., Australia; Green, Bruce Phillip

SO PCT Int. Appl., 22 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 9822554	A1	19980528	WO 1997-AU784	19971118
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9851105	A1	19980610	AU 1998-51105	19971118
	EP 1009781	A1	20000621	EP 1997-945666	19971118
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
PRAI	AU 1996-3710	A	19961118		
	WO 1997-AU784	W	19971118		

AB The compns. for use in combination with a strong oxidizing agent comprise .gtoreq.1 arom. triazole, .gtoreq.1 molybdate salt and .gtoreq.1 nitrate salt. A method of cleaning and sterilizing a surface (such as medical instruments) comprises contacting the surface with a strong oxidizing agent and a corrosion inhibiting compn.